

Author Index Volumes 107–112

Abouchami, W., see Lapierre, H. et al.	108: 61
Ajie, H.O., Hauschka, P.V., Kaplan, I.R. and Sobel, H., Comparison of bone collagen and osteocalcin for determination of radiocarbon ages and paleodietary reconstruction	107: 380
Albarède, F., see Chaussidon, M. and Albarède, F.	108: 229
Allard, P., see Le Cloarec, M.F. et al.	108: 19
Allègre, C.-J., see Pegram, W.J. and Allègre, C.-J.	111: 59
Allègre, C.J., see Luck, J.-M. and Allègre, C.J.	107: 406
Amakawa, H., Shimizu, H. and Masuda, A., Reply to comment by H. Elderfield on "Isotopic composition of Ce, Nd and Sr in ferromanganese nodules from the Pacific and Atlantic Oceans, the Baltic and Barents Seas, and the Gulf of Bothnia"	111: 563
Ardouin, B., see Le Cloarec, M.F. et al.	108: 19
Armijo, R., see Francheteau, J. et al.	111: 109
Arnaud, N.O., Vidal, Ph., Tapponnier, P., Matte, Ph. and Deng, W.M., The high K ₂ O volcanism of northwestern Tibet: Geochemistry and tectonic implications	111: 351
Arndt, N.T., see Jochum, K.P. et al.	107: 272
Arnold, M., see Stiros, S.C. et al.	108: 109
Ashi, J., see Kobayashi, K. et al.	109: 347
Ayliffe, L.K., Veeh, H.H. and Chivas, A.R., Oxygen isotopes of phosphate and the origin of island apatite deposits	108: 119
Balanyá, J.C., see Torné, M. et al.	110: 163
Banda, E., see Torné, M. et al.	110: 163
Banner, J.L., Wasserburg, G.J., Chen, J.H. and Humphrey, J.D., Uranium-series evidence on diagenesis and hydrology in Pleistocene carbonates of Barbados, West Indies	107: 129
Banner, J.L., Wasserburg, G.J., Chen, J.H. and Humphrey, J.D., Uranium-series evidence on diagenesis and hydrology in Pleistocene carbonates of Barbados, West Indies (erratum)	108: 307
Bansal, B.M., see Shih, C.-Y. et al.	108: 203
Barnola, J.-M., see Martinet, P. et al.	112: 1
Beck, C., see Lallemand, S.E. et al.	109: 333
Bédard, J.H., Kerr, R.C. and Hallworth, M.A., Porous sidewall and sloping floor crystallization experiments using a reactive mush: implications for the self-channelization of residual melts in cumulates	111: 319
Beer, J., see Chengde, S. et al.	109: 169
Behrensmeyer, A.K., see Tauxe, L. et al.	109: 561
Behrmann, J.H., Conditions for hydrofracture and the permeability of accretionary wedges	107: 550
Bekins, B.A. and Dreiss, S.J., A simplified analysis of parameters controlling dewatering in accretionary prisms	109: 275
Berger, A. and Loutre, M.F., Astronomical solutions for paleoclimate studies over the last 3 million years	111: 369
Berkovits, D., see Herut, B. et al.	109: 179
Bernat, M., see Borchellini, S. et al.	107: 217
Berner, U., see Taira, A. et al.	109: 431
Bideau, D., see Cannat, M. et al.	109: 87
Bideau, D., see Hekinian, R. et al.	108: 259
Birkenmajer, K., see Keller, R.A. et al.	111: 287
Biscaye, P.E., see Grouset, F.E. et al.	111: 175
Black, T.M., Chronology of the Middle Pleistocene Kidnappers Group, New Zealand and correlation to global oxygen isotope stratigraphy	109: 573
Blum, N., see Francheteau, J. et al.	111: 109
Blum, N., see Lonsdale, P. et al.	109: 73
Blum, N., see Lonsdale, P. et al.	110: 246
Boaretto, E., see Herut, B. et al.	109: 179
Boclet, D., see Jéhanno, C. et al.	109: 229
Boclet, D., see Robin, E. et al.	107: 715
Boehler, R., Melting of the Fe-FeO and the Fe-FeS systems at high pressure: Constraints on core temperatures catalytic oxidation method	111: 217

- Bogomolov, Ye.S., Migration of lead in non-metamict zircon 107: 625
- Böhlke, J.K. and Irwin, J.J., Brine history indicated by argon, krypton, chlorine, bromine, and iodine analyses of fluid inclusions from the Mississippi Valley type lead-fluorite-barite deposits at Hansenburg, New Mexico 110: 51
- Bohrmann, G., see Botz, R. and Bohrmann, G. 107: 612
- Bohsung, J., see Jessberger, E.K. et al. 112: 91
- Bonani, G., see Chengde, S. et al. 109: 169
- Bonté, Ph., see Robin, E. et al. 108: 181
- Bonté, Ph., see Robin, E. et al. 107: 715
- Borchiellini, S., Bernat, M. and Campredon, R., Facteurs contrôlant les émanations du radon de sources situées dans des régions à relief accentuée: influence de la sismicité (Alpes Maritimes, France). [Factors controlling radon emissions from sources in regions of accentuated relief: the influence of seismicity (Maritime Alps, France)] 107: 217
- Bosch, D., see Lancelot, J.R. and Bosch, D. 107: 539
- Botz, R. and Bohrmann, G., Low-temperature opal-CT precipitation in Antarctic deep-sea sediments: evidence from oxygen isotopes 107: 612
- Bougault, H., see Cannat, M. et al. 109: 87
- Boulegue, J., see Kobayashi, K. et al. 109: 347
- Boulegue, J., see Sakai, H. et al. 109: 391
- Boulègue, J., see Chamot-Rooke, N. et al. 109: 319
- Boulègue, J., see Gamo, T. et al. 109: 383
- Boulègue, J., see Véneau-Peyré, M.-T. et al. 109: 405
- Bourlès, D.L., Brown, E.T., Raisbeck, G.M., Yiou, F. and Gieskes, J.M., Beryllium isotope geochemistry of hydrothermally altered sediments 109: 47
- Boyd, S.R., Pillinger, C.T., Milledge, H.J. and Seal, M.J., C and N isotopic composition and the infrared absorption spectra of coated diamonds: evidence for the regional uniformity of $\text{CO}_2\text{-H}_2\text{O}$ rich fluids in lithospheric mantle 108: 139
- Boyd, S.R., Pillinger, C.T., Milledge, H.J., Mendelsohn, M.J. and Seal, M., C and N isotopic composition and the infrared absorption spectra of coated diamonds: evidence for the regional uniformity of $\text{CO}_2\text{-H}_2\text{O}$ rich fluids in lithospheric mantle (erratum) 109: 633
- Boyle, E.A., see Sherrell, R.M. and Boyle, E.A. 111: 155
- Brenan, J.M. and Watson, E.B., Partitioning of trace elements between olivine and aqueous fluids at high $P-T$ conditions: implications for the effect of fluid composition on trace element transport 107: 672
- Brown, E.T., see Bourlès, D.L. et al. 109: 47
- Brückmann, W., see Taira, A. et al. 109: 431
- Buhay, W.M., Comment on Increase of radiation sensitivity of ESR centers by faulting and criteria of fault dates (erratum) 107: 433
- Bühler, F., see Krähenbühl, U. et al. 110: 95
- Burgess, R., Kelley, S.P., Parsons, I., Walker, F.D.L. and Worden, R.H., ^{40}Ar - ^{39}Ar analysis of perthite microtextures and fluid inclusions in alkali feldspars from the Klokken syenite, South Greenland 109: 147
- Burnett, D.S., see LaTourrette, T.Z. and Burnett, D.S. 110: 227
- Burton, K.W. and O'Nions, R.K., High-resolution garnet chronometry and the rates of metamorphic processes 107: 649
- Byrne, T., see Maltman, A. et al. 109: 463
- Byrne, T., see Taira, A. et al. 109: 431
- Čadek, O. and Ricard, Y., Toroidal/poloidal energy partitioning and global lithospheric rotation during Cenozoic time 109: 621
- Cadet, J.-P., see Lallemand, S.E. et al. 109: 333
- Cambray, H., see Kobayashi, K. et al. 109: 347
- Camerlenghi, A., Cita, M.B., Hieke, W. and Ricchiuto, T., Geological evidence for mud diapirism on the Mediterranean Ridge accretionary complex 109: 493
- Campbell, A.C., see German, C.R. et al. 107: 101
- Campredon, R., see Borchiellini, S. et al. 107: 217
- Canil, D., see Trønnes, R.D. et al. 111: 241
- Canil, D., Orthopyroxene stability along the peridotite solidus and the origin of cratonic lithosphere beneath southern Africa 111: 83
- Cannat, M., see Hekinian, R. et al. 108: 259
- Cannat, M., Bideau, D. and Bougault, H., Serpentinitized peridotites and gabbros in the Mid-Atlantic Ridge axial valley at $15^{\circ}37'N$ and $16^{\circ}52'W$ 109: 87
- Canot-Laurent, S., see J.-P. Cogné, and Canot-Laurent, S. 112: 147
- Carey, S., see Sigurdsson, H. et al. 109: 543
- Carl, C., see Wendt, I. et al. 107: 618
- Carter, A., see Lewis, C.L.E. et al. 112: 131

- Cartwright, I. and Valley, J.W., Steep oxygen-isotope gradients at marble-matagranite contacts in the northwest Adirondack Mountains, New York, USA: products of fluid-hosted diffusion 107: 148
- Cassidy, J., see Shibuya, H. et al. 111: 41
- Chabernaud, T., see Taira, A. et al. 109: 431
- Chakaveh, S., see Jessberger, E.K. et al. 112: 91
- Chamberlain, C.P., see Sonder, L.J. and Chamberlain, C.P. 111: 517
- Chamot-Rooke, N., see Henry, P. et al. 109: 355
- Chamot-Rooke, N., see Kobayashi, K. et al. 109: 347
- Chamot-Rooke, N., Lallement, S.J., Le Pichon, X., Henry, P., Sibuet, M., Boulègue, J., Foucher, J.-P., Furuta, T., Gamo, T., Glagon, G., Kobayashi, K., Kuramoto, S., Ogawa, Y., Schultheiss, P., Segawa, J., Takeuchi, A., Tarits, P. and Tokuyama, H., Tectonic context of fluid venting at the toe of the eastern Nankai accretionary prism: Evidence for a shallow detachment fault 109: 319
- Chan, L.H., Edmond, J.M., Thompson, G. and Gillis, K., Lithium isotopic composition of submarine basalts: implications for the lithium cycle in the oceans 108: 151
- Channell, J.E.T. and Erba, E., Early Cretaceous polarity chronos CM0 to CM11 recorded in northern Italian land sections near Brescia 108: 161
- Channell, J.E.T. and Erba, E., Early Cretaceous polarity chronos CM0 to CM11 recorded in northern Italian land sections near Brescia (erratum) 110: 245
- Chaussidon, M. and Albarède, F., Secular boron isotope variations in the continental crust: an ion microprobe study 108: 229
- Chauvel, C., Hofmann, A.W. and Vidal, P., HIMU-EM: The French Polynesian connection 110: 99
- Chemineé, J.L., see Francheteau, J. et al. 111: 109
- Cheminée, J.-L., Stoffers, P., McMurry, G., Richnow, H., Puteanus, D. and Sedwick, P., Gas-rich submarine exhalations during the 1989 eruption of Macdonald Seamount 107: 318
- Chen, J.H., see Banner, J.L. et al. 107: 129
- Chen, J.H., see Banner, J.L. et al. 108: 307
- Chengde, S., Beer, J., Tungsheng, L., Oeschger, H., Bonani, G., Suter, M. and Wölfli, W., ^{10}Be in Chinese loess 109: 169
- Chéry, J., Lucaleau, F., Daignières, M. and Vilotte, J.P., Large uplift of rift flanks: A genetic link with lithospheric rigidity? 112: 195
- Chica-Olmo, M., see Olóriz, F. et al. 111: 407
- Chivas, A.R., see Ayliffe, L.K. et al. 108: 119
- Christie, D.M., see Pyle, D.G. et al. 112: 161
- Chung, S.-L. and Sun, S.S., A new genetic model for the East Taiwan Ophiolite and its implications for Dupal domains in the Northern Hemisphere 109: 133
- Cisowski, S.M., Remanent magnetic properties of unbrecciated eucrites 107: 173
- Cita, M.B., see Camerlenghi, A. et al. 109: 493
- Clague, D.A., see Goldstein, S.J. et al. 107: 25
- Clague, D.A., see Goldstein, S.J. et al. 109: 255
- Claué-Long, J.C., King, R.W. and Kerrich, R., Reply to comment by F. Corfu and D.W. Davis on "Archaean hydrothermal zircons in the Abitibi greenstone belt: constraints on the timing of gold mineralisation" 109: 601
- Clocchiatti, R., see Schiano, P. et al. 111: 69
- Cluzel, D., Late Palaeozoic to early Mesozoic geodynamic evolution of the Circum-Pacific orogenic belt in South Korea and Southwest Japan 108: 289
- Cochrane, G.R., see Mackay, M.E. et al. 109: 477
- Collerson, K.D., see Williams, R.W. et al. 111: 257
- Collinson, D.W., see Morden, S.J. and Collinson, D.W. 109: 185
- Colliston, W.P., see Reimold, W.U. et al. 112: 213
- Condomines, M., see Sigmarsson, O. et al. 110: 149
- Cordery, M.J. and Morgan, J.P., Melting and mantle flow beneath a mid-ocean spreading center 111: 493
- Coulon, C., see Lapierre, H. et al. 108: 61
- Craig, H., see Farley, K.A. et al. 111: 183
- Craig, H., see Somayajulu, B.L.K. et al. 107: 197
- Crawford, A.J., see Yaxley, G.M. et al. 107: 305
- Croaz, G., see Floss, C. and Croaz, G. 107: 13
- D'Hondt, S., see Sigurdsson, H. et al. 109: 543
- Daignières, M., see Chéry, J. et al. 112: 195
- De Jong, K., Wijbrans, J.R. and Féraud, G., Repeated thermal resetting of phengites in the Mulhacen complex (Betic Zone, southeastern Spain) shown by $^{40}\text{Ar}/^{39}\text{Ar}$ step heating and single grain laser probe dating 110: 173
- Deino, A.D., see Tauxe, L. et al. 109: 561
- Delaney, J.R., see Goldstein, S.J. et al. 107: 25

Delaney, J.R., see Goldstein, S.J. et al.	109: 255
Delaney, J.R., see Thomson, R.E. et al.	111: 141
Delaney, J.R., see Woods, A.W. and Delaney, J.R.	112: 117
Deng, W.M., see Arnaud, N.O. et al.	111: 351
Deniel, C., see Williams, R.W. et al.	111: 257
DePaolo, D.J., see Richter, F.M. et al.	109: 11
DePaolo, D.J., see Schrag, D.P. et al.	111: 305
Déruelle, B., Dreibus, G. and Jamison, A., Iodine abundances in oceanic basalts: implications for Earth dynamics	108: 217
Devey, C.W., see Mertz, D.F. et al.	107: 243
Dietrich, W., see Monaghan, M.C. et al.	111: 483
Dobson, J.P. and Heller, F., Remagnetization in southeast China and the collision and suturing of the Huanan and Yangtze blocks	111: 11
Dreibus, G., see Déruelle, B. et al.	108: 217
Dreiss, S.J., see Bekins, B.A. and Dreiss, S.J.	109: 275
Dunbar, N.W., see Hervig, R.L. and Dunbar, N.W.	111: 97
Dymond, J., see Moore, W.S. and Dymond, J.	107: 55
Eberhardt, P., see Krähenbühl, U. et al.	110: 95
Edmond, J.M., see Chan, L.H. et al.	108: 151
Edmond, J.M., see German, C.R. et al.	107: 101
Eggins, S.M., Green, D.H. and Falloon, T.J., The Tasmanian Seamounts: shallow melting and contamination of an EM1 mantle plume	107: 448
Eisenhauer, A., Gögen, K., Pernicka, E. and Mangini, A., Climatic influences on the growth rates of Mn crusts during the late Quaternary	109: 25
Elderfield, H., The Ce-Nd-Sr isotope systematics of seawater: Comment on "Isotopic compositions of Ce, Nd and Sr in ferromanganese nodules from the Pacific and Atlantic Oceans, the Baltic and Barents Seas and the Gulf of Bothnia", by H. Amakawa, J. Ingrin, A. Masuda and H. Shimizu	111: 557
Elmore, R.D., see Hillegeist, T.K. et al.	109: 531
Emerman, S.H., see Marrett, R. and Emerman, S.H.	112: 53
Epstein, S., see Stone, J. et al.	107: 570
Erba, E., see Channell, J.E.T. and Erba, E.	108: 161
Erba, E., see Channell, J.E.T. and Erba, E.	110: 245
Etheridge, D.M., see Martinierie, P. et al.	112: 1
Falloon, T.J., see Eggins, S.M. et al.	107: 448
Falloon, T.J., see Sweeney, R.J. et al.	107: 256
Farley, K.A., Natland, J.H. and Craig, H., Binary mixing of enriched and undegassed (primitive?) mantle components (He, Sr, Nd, Pb) in Samoan lavas	111: 183
Farquhar, R.M., see Smith, P.E. et al.	107: 434
Féraud, G., see De Jong, K. et al.	110: 173
Fiala-Medioni, A., see Lallemand, S.E. et al.	109: 333
Fink, D., Klein, J., Middleton, R., Vogt, S. and Herzog, G.F., ^{41}Ca iron falls, Grant and Estherville: production rates and related exposure age calculations	107: 115
Finnegan, D.L., see Krähenbühl, U. et al.	110: 95
Firth, J., see Taira, A. et al.	109: 431
Fisher, A., see Hyndman, R.D. et al.	109: 289
Fisher, A., see Taira, A. et al.	109: 431
Fisher, A., see Yamano, M. et al.	109: 451
Fisk, M.R., see Keller, R.A. et al.	111: 287
Fitz Gerald, J.D., see Kesson, S.E. and Fitz Gerald, J.D.	111: 229
Floss, C. and Crozaz, G., Ce anomalies in the LEW85300 eucrite: evidence for REE mobilization during Antarctic weathering	107: 13
Fontugne, M., see Lalou, C. et al.	109: 419
Foucher, J.-P., see Chamot-Rooke, N. et al.	109: 319
Foucher, J.-P., see Henry, P. et al.	109: 355
Foucher, J.-P., see Taira, A. et al.	109: 431
Foucher, J.-P., see Yamano, M. et al.	109: 451
Foucher, J.-P., Henry, P., Le Pichon, X. and Kobayashi, K., Time-variations of fluid expulsion velocities at the toe of the eastern Nankai accretionary complex	109: 373

- Foucher, J.P., see Hyndman, R.D. et al. 109: 289
 Fourcade, S., see Sigmarsdóttir, O. et al. 110: 149
 Francheteau, J., see Hekinian, R. et al. 108: 259
 Francheteau, J., Armijo, R., Cheminec, J.L., Hekinian, R., Lonsdale, P. and Blum, N., Dyke complex of the East Pacific Rise exposed in the walls of Hess Deep and the structure of the upper oceanic crust 111: 109
 Fraser, G., see Sandiford, M. et al. 107: 164
 Froelich, P.N., see Keigwin, L.D. et al. 111: 425
 Froget, L., see Jéhanno, C. et al. 109: 229
 Froget, L., see Robin, E. et al. 107: 715
 Froget, L., see Robin, E. et al. 108: 181
 Fruit, D.J., see Hillegeist, T.K. et al. 109: 531
 Fujimoto, H., see Kobayashi, K. et al. 109: 347
 Funahara, S., see Otofuji, Y. et al. 107: 369
 Furuta, T., see Chamot-Rooke, N. et al. 109: 319
 Furuta, T., see Henry, P. et al. 109: 355
 Furuta, T., see Kobayashi, K. et al. 109: 347
- Gamo, T., see Chamot-Rooke, N. et al. 109: 319
 Gamo, T., see Igarashi, G. et al. 108: 11
 Gamo, T., see Sakai, H. et al. 109: 391
 Gamo, T., see Taira, A. et al. 109: 431
 Gamo, T., Sakai, H., Ishibashi, J., Shishima, K. and Boulegue, J., Methane, ethane and total inorganic carbon in fluid samples taken during the 1989 Kaiko-Nankai project 109: 383
 Gamo, T., Sakai, H., Kim, E.-S., Shishima, K. and Ishibashi, J., High alkalinity due to sulfate reduction in the CLAM hydrothermal field, Okinawa Trough 107: 328
 García-Dueñas, V., see Torné, M. et al. 110: 163
 Gasquet, D., Leterrier, J., Mrini, Z. and Vidal, P., Petrogenesis of the Hercynian Tichka plutonic complex (Western High Atlas, Morocco): Trace element and Rb-Sr and Sm-Nd isotope constraints 108: 29
 Gehring, A.U., see Keller, P. and Gehring, A.U. 111: 49
 Geissbühler, M., see Krähenbühl, U. et al. 110: 95
 German, C.R., Campbell, A.C. and Edmond, J.M., Hydrothermal scavenging at the Mid-Atlantic Ridge: Modification of trace element dissolved fluxes 107: 101
 Gieskes, J., see Taira, A. et al. 109: 431
 Gieskes, J.M., see Bourlès, D.L. et al. 109: 47
 Giggenbach, W.F., see Le Cloarec, M.F. et al. 108: 19
 Giletti, B.J., see Sharp, Z.D. et al. 107: 339
 Gill, J.B., see Williams, R.W. et al. 111: 257
 Gillis, K., see Chan, L.H. et al. 108: 151
 Glagon, G., see Chamot-Rooke, N. et al. 109: 319
 Glagon, G., see Lallemand, S.E. et al. 109: 333
 Glass, B.P., Kent, D.V., Schneider, D.A. and Tauxe, L., Ivory Coast microtektite strewn field: description and relation to the Jaramillo geomagnetic event 107: 182
 Gögen, K., see Eisenhauer, A. et al. 109: 25
 Goldstein, S.J., Murrell, M.T., Janecky, D.R., Delaney, J.R. and Clague, D.A., Geochronology and petrogenesis of MORB from the Juan de Fuca and Gorda ridges by ^{238}U - ^{230}Th disequilibrium 107: 25
 Goldstein, S.J., Murrell, M.T., Janecky, D.R., Delaney, J.R. and Clague, D.A., Geochronology and petrogenesis of MORB from the Juan de Fuca and Gorda ridges by ^{238}U - ^{230}Th disequilibrium (erratum) 109: 255
 Goodwillie, A.M. and Parsons, B., Placing bounds on lithospheric deformation in the central Pacific Ocean 111: 123
 Gorsline, D.S., see Lund, S.P. et al. 108: 93
 Gould, W.D., see Krouse, H.R. et al. 107: 90
 Graham, D.W., Humphris, S.E., Jenkins, W.J. and Kurz, M.D., Helium isotope geochemistry of some volcanic rocks from Saint Helena 110: 121
 Graham, D.W., Jenkins, W.J., Schilling, J.-G., Thompson, G., Kurz, M.D. and Humphris, S.E., Helium isotope geochemistry of mid-ocean ridge basalts from the South Atlantic 110: 133
 Green, D.H., see Eggin, S.M. et al. 107: 448
 Green, D.H., see Sweeney, R.J. et al. 107: 256
 Green, D.H., see Yaxley, G.M. et al. 107: 305
 Green, P.F., see Lewis, C.E. et al. 112: 131
 Grossman, J.N., see Morgan, J.W. et al. 108: 191
 Grossman, L., see Simon, S.B. and Grossman, L. 110: 67

- Grousset, F.E., Biscaye, P.E., Revel, M., Petit, J.-R., Pye, K., Joussaume, S. and Jouzel, J., Antarctic (Dome C) ice-core dust at 18 k.y. B.P.: Isotopic constraints on origins 111: 175
- Grunder, A.L. and Wickham, S.M., Homogenization and lowering of $^{18}\text{O}/^{16}\text{O}$ in mid-crustal rocks during extension-related magmatism in eastern Nevada 107: 416
- Haag, M. and Heller, F., Late Permian to Early Triassic magnetostratigraphy 107: 42
- Habfast, K., see Wendt, I. et al. 107: 618
- Halliday, A.N., see Koch, P.L. et al. 108: 277
- Hallworth, M.A., see Bédard, J.H. et al. 111: 319
- Hammond, P.E., see Volpe, A.M. and Hammond, P.E. 107: 475
- Hancock, R.G., see Smith, P.E. et al. 107: 434
- Handa, N., see Masuzawa, T. et al. 110: 39
- Hart, S.R., see Hattori, K. and Hart, S.R. 107: 499
- Harvey, R.P. and McSween, H.Y., The parent magma of the nakhlite meteorites: Clues from melt inclusions 111: 467
- Hashizume, K., see Sugiura, N. and Hashizume, K. 111: 441
- Hattori, K. and Hart, S.R., Osmium-isotope ratios of platinum-group minerals associated with ultramafic intrusions: Os-isotopic evolution of the oceanic mantle 107: 499
- Hauschka, P.V., see Ajie, H.O. et al. 107: 380
- Heaman, L.M., LeCheminant, A.N. and Rainbird, R.H., Nature and timing of Franklin igneous events, Canada: Implications for a Late Proterozoic mantle plume and the break-up of Laurentia 109: 117
- Hébert, R., see Hekinian, R. et al. 108: 259
- Heider, F. and Hoffmann, V., Magneto-optical Kerr effect on magnetic crystals with externally applied magnetic fields 108: 131
- Hekinian, R., see Francheteau, J. et al. 111: 109
- Hekinian, R., Bideau, D., Cannat, M., Francheteau, J. and Hébert, R., Volcanic activity and crust-mantle exposure in the ultrafast Garrett transform fault near 13°28'S in the Pacific 108: 259
- Heller, F., see Dobson, J.P. and Heller, F. 111: 11
- Heller, F., see Haag, M. and Heller, F. 107: 42
- Henry, P., see Chamot-Rooke, N. et al. 109: 319
- Henry, P., see Foucher, J.-P. et al. 109: 373
- Henry, P., Foucher, J.-P., Le Pichon, X., Sibuet, M., Kobayashi, K., Tarits, P., Chamot-Rooke, N., Furuta, T. and Schultheiss, P., Interpretation of temperature measurements from the Kaiko-Nankai cruise: Modeling of fluid flow in clam colonies 109: 355
- Heney, T.L., see Lund, S.P. et al. 108: 93
- Herbert, T.D., Paleomagnetic calibration of Milankovitch cyclicity in Lower Cretaceous sediments 112: 15
- Herut, B., Starinsky, A., Katz, A., Paul, M., Boaretto, E. and Berkovits, D., ^{36}Cl in chloride-rich rainwater 109: 179
- Hervig, R.L. and Dunbar, N.W., Cause of chemical zoning in the Bishop (California) and Bandelier (New Mexico) magma chambers 111: 97
- Herzog, G.F., see Fink, D. et al. 107: 115
- Hickey-Vargas, R., Isotope characteristics of submarine lavas from the Philippine Sea: implications for the origin of 107: 290
- Hieke, W., see Camerlenghi, A. et al. 109: 493
- Hilgen, F.J., see Zijderveld, J.D.A. et al. 107: 697
- Hilgen, F.J., Extension of the astronomically calibrated (polarity) time scale to the Miocene/Pliocene boundary 107: 349
- Hill, I., see Taira, A. et al. 109: 431
- Hillegeist, T.K., Fruit, D.J. and Elmore, R.D., Syndeformational magnetization in the Ordovician Bigfork Chert at Black Knob Ridge, western Ouachita Mountains, southern Oklahoma 109: 531
- Hoefs, J., see Ionov, D.A. et al. 111: 269
- Hoffmann, V., see Heider, F. and Hoffmann, V. 108: 131
- Hofmann, A.W., see Chauvel, C. et al. 110: 99
- Hofmann, A.W., see Jochum, K.P. et al. 107: 272
- Hofmann, A.W., see Mertz, D.F. et al. 107: 243
- Holloway, J.R., see Pawley, A.R. et al. 110: 213
- Holm, N.G., see Kasting, J.F. and Holm, N.G. 109: 507
- Holt, W.E. and Stern, T.A., Sediment loading on the Western Platform of the New Zealand continent: Implications for the strength of a continental margin 107: 523
- Hort, M. and Spohn, T., Crystallization calculations for a binary melt cooling at constant rates of heat removal: implications for the crystallization of magma bodies 107: 463
- Huang, K. and Opdyke, N.D., Paleomagnetism of Cretaceous to lower Tertiary rocks from Southwestern Sichuan: a revisit 112: 29
- Huang, K., Opdyke, N.D., Peng, X. and Li, J., Paleomagnetic results from Upper Permian of the eastern Qiangtang Terrane of Tibet and their tectonic implications 111: 1

- Humphrey, J.D., see Banner, J.L. et al. 107: 129
 Humphrey, J.D., see Banner, J.L. et al. 108: 307
 Humphris, S.E., see Graham, D.W. et al. 110: 121
 Humphris, S.E., see Graham, D.W. et al. 110: 133
 Hurford, A.J., see Lewis, C.L.E. et al. 112: 131
 Huston, T.J., see Koch, P.L. et al. 108: 277
 Hutchison, I.D., see Stone, J. et al. 107: 570
 Hyndman, R., see Taira, A. et al. 109: 431
 Hyndman, R.D., see Yamano, M. et al. 109: 451
 Hyndman, R.D., Foucher, J.P., Yamano, M. and Fisher, A., Deep sea bottom-simulating-reflectors: calibration of the base of the hydrate stability field as used for heat flow estimates 109: 289
- Igarashi, G., Ozima, M., Ishibashi, J., Gamo, T., Sakai, H., Nojiri, Y. and Kawai, T., Mantle helium flux from the bottom of Lake Mashu, Japan 108: 11
 Igarashi, J., see Sano, Y. et al. 107: 95
 Iiyama, J.T., see Kobayashi, K. et al. 109: 347
 Iiyama, J.T., see Lallemand, S.E. et al. 109: 333
 Ionov, D.A., Hoefs, J., Wedepohl, K.H. and Wiechert, U., Content and isotopic composition of sulphur in ultramafic xenoliths from central Asia 111: 269
 Ireland, T.R. and Wlotzka, F., The oldest zircons in the solar system 109: 1
 Irwin, J.J., see Böhlke, J.K. and Irwin, J.J. 110: 51
 Ishibashi, J., see Gamo, T. et al. 107: 328
 Ishibashi, J., see Gamo, T. et al. 109: 383
 Ishibashi, J., see Igarashi, G. et al. 108: 11
 Itaya, T., see Shibuya, H. et al. 111: 41
 Iturralde-Vinent, M.A., A short note on the Cuban late Maastrichtian megaturbidite (an impact-derived deposit?) 109: 225
- J.-P. Cogné, and Canot-Laurent, S., Simple shear experiments on magnetized wax-hematite samples 112: 147
 Jambon, A., see Déruelle, B. et al. 108: 217
 Janecky, D.R., see Goldstein, S.J. et al. 107: 25
 Janecky, D.R., see Goldstein, S.J. et al. 109: 255
 Janecky, D.R., see Thomson, R.E. et al. 111: 141
 Javoy, M., see Robert, F. et al. 108: 1
 Javoy, M. and Pineau, F., The volatiles record of a "popping" rock from the Mid-Atlantic Ridge at 14°N: chemical and isotopic composition of gas trapped in the vesicles 107: 598
 Jéhanno, C., see Robin, E. et al. 107: 715
 Jéhanno, C., see Robin, E. et al. 108: 181
 Jéhanno, C., Boclet, D., Froget, L., Lambert, B., Robin, E., Rocchia, R. and Turpin, L., The Cretaceous-Tertiary boundary at Beloc, Haiti: No evidence for an impact in the Caribbean area 109: 229
 Jenkins, W.J., see Graham, D.W. et al. 110: 133
 Jenkins, W.J., see Graham, D.W. et al. 110: 121
 Jessberger, E.K., Bohsung, J., Chakaveh, S. and Traxel, K., The volatile element enrichment of chondritic interplanetary dust particles 112: 91
 Jochum, K.P., Arndt, N.T. and Hofmann, A.W., Nb-Th-La in komatiites and basalts: constraints on komatiite petrogenesis and mantle evolution 107: 272
 Johannessen, T., see Talbot, M.R. and Johannessen, T. 110: 23
 Johnson, B.D., see Mayhew, M.A. et al. 107: 515
 Jones, G.A., see Keigwin, L.D. et al. 111: 425
 Joron, J.L., see Schiano, P. et al. 111: 69
 Joussaume, S., see Grousset, F.E. et al. 111: 175
 Jouzel, J., see Grousset, F.E. et al. 111: 175
- Kadoi, J., see Otofugi, Y. et al. 107: 369
 Kaplan, I.R., see Ajie, H.O. et al. 107: 380
 Karig, D., see Maltman, A. et al. 109: 463
 Karig, D., see Taira, A. et al. 109: 431
 Kasting, J.F. and Holm, N.G., What determines the volume of the oceans? 109: 507
 Kastner, M., see Taira, A. et al. 109: 431
 Kato, Y., see Taira, A. et al. 109: 431
 Katz, A., see Herut, B. et al. 109: 179

- Kawai, T., see Igarashi, G. et al. 108: 11
- Keigwin, L.D., Jones, G.A. and Froelich, P.N., A 15,000 year paleoenvironmental record from Meiji Seamount, far northwestern Pacific 111: 425
- Keil, K., see Wilson, L. and Keil, K. 107: 432
- Keller, P. and Gehring, A.U., Different weathering stages indicated by the magnetization of limestones: An example from the southeast Pyrenees, Spain 111: 49
- Keller, R.A., Fisk, M.R., White, W.M. and Birkenmajer, K., Isotopic and trace element constraints on mixing and melting models of marginal basin volcanism, Bransfield Strait, Antarctica 111: 287
- Kelley, S.P., see Burgess, R. et al. 109: 147
- Kelley, S.P. and Turner, G., Laser probe ^{40}Ar - ^{39}Ar measurements of loss profiles within individual hornblende grains from the Giants Range Granite, northern Minnesota, USA 107: 634
- Kent, D.V., see Glass, B.P. et al. 107: 182
- Kent, D.V., see Schneider, D.A. et al. 111: 395
- Kenyon, P., see Spiegelman, M. and Kenyon, P. 109: 611
- Kerr, R.C., see Bédard, J.H. et al. 111: 319
- Kerrick, R., see Claoué-Long, J.C. et al. 109: 601
- Kesson, S.E. and Fitz Gerald, J.D., Partitioning of MgO , FeO , NiO , MnO and Cr_2O_3 between magnesian silicate perovskite and magnesiowüstite: implications for the origin of inclusions in diamond and the composition of the lower mantle 111: 229
- Kim, E.-S., see Gamo, T. et al. 107: 328
- Kim, K.H. and McMurtry, G.M., Radial growth rates and ^{210}Pb ages of hydrothermal massive sulfides from the Juan de Fuca ridge (erratum) 107: 231
- King, R.W., see Claoué-Long, J.C. et al. 109: 601
- King, S.D., see Staudigel, H. and King, S.D. 109: 517
- Kinoshita, M., see Yamano, M. et al. 109: 451
- Kissel, C., see Mitouard, P. et al. 112: 41
- Kitagawa, H., see Masuzawa, T. et al. 110: 39
- Klein, J., see Fink, D. et al. 107: 115
- Klein, J., see Monaghan, M.C. et al. 111: 483
- Kobayashi, K., see Chamot-Rooke, N. et al. 109: 319
- Kobayashi, K., see Foucher, J.-P. et al. 109: 373
- Kobayashi, K., see Henry, P. et al. 109: 355
- Kobayashi, K., see Le Pichon, X. and Kobayashi, K. 109: 303
- Kobayashi, K., Ashi, J., Boulegue, J., Cambray, H., Chamot-Rooke, N., Fujimoto, H., Furuta, T., Iiyama, J.T., Koizumi, T., Mitsuzawa, K., Monma, H., Murayama, M., Naka, J., Nakanishi, M., Ogawa, Y., Otsuka, K., Okada, M., Oshida, A., Shima, N., Soh, W., Takeuchi, A., Watanabe, M. and Yamagata, T., Deep-tow survey in the KAIGO-Nankai cold seepage areas 109: 347
- Koch, P.L., Halliday, A.N., Walter, L.M., Stearley, R.F., Huston, T.J. and Smith, G.R., Sr isotopic composition of hydroxyapatite from recent and fossil salmon: the record of lifetime migration and diagenesis 108: 277
- Koizumi, T., see Kobayashi, K. et al. 109: 347
- Krähenbühl, U., Geissbühler, M., Bühl, F., Eberhardt, P. and Finnegan, D.L., Osmium isotopes in the aerosols of the mantle volcano Mauna Loa 110: 95
- Krishnaswami, S., Trivedi, J.R., Sarin, M.M., Ramesh, R. and Sharma, K.K., Strontium isotopes and rubidium in the Ganga-Brahmaputra river system: Weathering in the Himalaya, fluxes to the Bay of Bengal and contributions to the evolution of oceanic $^{87}\text{Sr}/^{86}\text{Sr}$ 109: 243
- Kroneberg, B.I., see MacRae, N.D. et al. 109: 585
- Krouse, H.R., Gould, W.D., McCready, R.G.L. and Rajan, S., ^{18}O incorporation into sulphate during bacterial oxidation of sulphide minerals and the potential for oxygen isotope exchange between O_2 , H_2O and oxidized sulphur intermediates 107: 90
- Kulm, L.D., see MacKay, M.E. et al. 109: 477
- Kuramoto, S., see Chamot-Rooke, N. et al. 109: 319
- Kurz, M.D., see Graham, D.W. et al. 110: 121
- Kurz, M.D., see Graham, D.W. et al. 110: 133
- Kusakabe, M., see Masuzawa, T. et al. 110: 39
- Laborel, F., see Stiros, S.C. et al. 108: 109
- Laborel, J., see Stiros, S.C. et al. 108: 109
- Laj, C., see Mazaud, A. and Laj, C. 107: 689
- Laj, C., see Mitouard, P. et al. 112: 41
- Lal, D., see Somayajulu, B.L.K. et al. 107: 197

- Lallemand, S.E., see Lalou, C. et al. 109: 419
 Lallemand, S.E., see Véne-Peyré, M.-T. et al. 109: 405
 Lallemand, S.E., Glagon, G., Lauriat-Rage, A., Fiala-Medioni, A., Cadet, J.-P., Beck, C., Sibuet, M., Iiyama, J.T., Sakai, H. and Taira, A., Seafloor manifestations of fluid seepage at the top of a 2000-metre-deep ridge in the eastern Nankai accretionary wedge: Long-lived venting and tectonic implications 109: 333
 Lallemand, S., see Maltman, A. et al. 109: 463
 Lallemand, S., see Taira, A. et al. 109: 431
 Lallemand, S.J., see Chamot-Rooke, N. et al. 109: 319
 Lalou, C., Fontugne, M., Lallemand, S.E. and Lauriat-Rage, A., *Calyptogena*-cemented rocks and concretions from the eastern part of Nankai accretionary prism: Age and geochemistry of uranium 109: 419
 Lambert, B., see Jéhanno, C. et al. 109: 229
 Lancelot, J.R. and Bosch, D., A Pan African age for the HP-HT granulite gneisses of Zabargad island: implications for the early stages of the Red Sea rifting 107: 539
 Langereis, C.G., see Zijderveld, J.D.A. et al. 107: 697
 Lanier, A.B., see Lofgren, G.E. and Lanier, A.B. 111: 455
 Lapierre, H., Ortiz, L.E., Abouchami, W., Monod, O., Coulon, C. and Zimmermann, J.-L., A crustal section of an intra-oceanic island arc: The Late Jurassic-Early Cretaceous Guanajuato magmatic sequence, central Mexico 108: 61
 Larson, R.L. and Olson, P., Mantle plumes control magnetic reversal frequency 107: 437
 LaTourrette, T.Z. and Burnett, D.S., Experimental determination of U and Th partitioning between clinopyroxene and natural and synthetic basaltic liquid 110: 227
 Lauriat-Rage, A., see Lallemand, S.E. et al. 109: 333
 Lauriat-Rage, A., see Lalou, C. et al. 109: 419
 Le Cloarec, M.F., Allard, P., Arduouin, B., Giggenbach, W.F. and Sheppard, D.S., Radioactive isotopes and trace elements in gaseous emissions from White Island, New Zealand 108: 19
 Le Pichon, X., see Chamot-Rooke, N. et al. 109: 319
 Le Pichon, X., see Foucher, J.-P. et al. 109: 373
 Le Pichon, X., see Henry, P. et al. 109: 355
 Le Pichon, X. and Kobayashi, K., Fluid venting activity within the eastern Nankai Trough accretionary wedge: A summary of the 1989 Kaiko-Nankai results 109: 303
 LeCheminant, A.N., see Heaman, L.M. et al. 109: 117
 Leeman, W.P., see Moran, A.E. et al. 111: 331
 Leterrier, J., see Gasquet, D. et al. 108: 29
 Lewis, C.L.E., Green, P.F., Carter, A. and Hurford, A.J., Elevated K/T palaeotemperatures throughout Northwest England: three kilometres of Tertiary erosion? 112: 131
 Li, J., see Huang, K. et al. 111: 1
 Lister, J.R., Steady solutions for feeder dykes in a density-stratified lithosphere 107: 233
 Lofgren, G.E. and Lanier, A.B., Dynamic crystallization experiments on the Angra dos Reis achondritic meteorite 111: 455
 Lonsdale, P., see Francheteau, J. et al. 111: 109
 Lonsdale, P., Blum, N. and Puchelt, H., The RRR triple junction at the southern end of the Pacific-Cocos East Pacific Rise 109: 73
 Lonsdale, P., Blum, N. and Puchelt, H., The RRR triple junction at the southern end of the Pacific-Cocos East Pacific Rise (erratum) 110: 246
 Lorenzo, J.M. and Vera, E.E., Thermal uplift and erosion across the continent-ocean transform boundary of the southern Exmouth Plateau 108: 79
 Louden, K.E., see Osler, J.C. and Louden, K.E. 108: 243
 Loutre, M.F., see Berger, A. and Loutre, M.F. 111: 369
 Lowrie, W., see Platzman, E. and Lowrie, W. 108: 45
 Lu, R., see Taira, A. et al. 109: 431
 Lucazeau, F., see Chéry, J. et al. 112: 195
 Luck, J.-M. and Allègre, C.J., Osmium isotopes in ophiolites 107: 406
 Lund, S.P., Gorsline, D.S. and Henrey, T.L., Rock magnetic characteristics of surficial marine sediments from the California continental borderland 108: 93
 Lyons, J.B. and Officer, C.B., Mineralogy and petrology of the Haiti Cretaceous/Tertiary section 109: 205
 MacKay, M.E., Moore, G.F., Cochrane, G.R., Moore, J.C. and Kulm, L.D., Landward vergence and oblique structural trends in the Oregon margin accretionary prism: Implications and effect on fluid flow 109: 477
 MacRae, N.D., Nesbitt, H.W. and Kroneberg, B.I., Development of a positive Eu anomaly during diagenesis 109: 585
 Mahoney, J.J., see Pyle, D.G. et al. 112: 161
 Maltman, A., see Taira, A. et al. 109: 431

- Maltman, A., Byrne, T., Karig, D. and Lallement, S., Structural geological evidence from ODP Leg 131 regarding fluid flow in the Nankai prism, Japan 109: 463
- Mangini, A., see Eisenhauer, A. et al. 109: 25
- Marrett, R. and Emerman, S.H., The relations between faulting and mafic magmatism in the Altiplano-Puna plateau (central Andes) 112: 53
107: 164
- Martin, N., see Sandiford, M. et al.
- Martinerie, P., Raynaud, D., Etheridge, D.M., Barnola, J.-M. and Mazaudier, D., Physical and climatic parameters which influence the air content in polar ice 112: 1
- Martini, J.E.J., Reply to the comment of W.U. Reimold et al. on "The nature, distribution and genesis of the coesite and stishovite associated with the pseudotachylite of the Vredefort Dome, South Africa" 112: 219
- Marzocchi, W., Mularia, F. and Paruolo, P., The correlation of geomagnetic reversals and mean sea level in the last 150 m.y. 111: 383
111: 563
- Masuda, A., see Amakawa, H. et al.
- Masuzawa, T., Handa, N., Kitagawa, H. and Kusakabe, M., Sulfate reduction using methane in sediments beneath a bathyal "cold seep" giant clam community off Hatsushima Island, Sagami Bay, Japan 110: 39
111: 351
- Matte, Ph., see Arnaud, N.O. et al.
- Mayhew, M.A., Wasilewski, P.J. and Johnson, B.D., Crustal magnetization and temperature at depth beneath the Yilgarn block, Western Australia inferred from Magsat data 107: 515
- Mazaud, A. and Laj, C., The 15 m.y. geomagnetic reversal periodicity: a quantitative test 107: 689
- Mazaudier, D., see Martinerie, P. et al.
- McClain, J.S., see Thomson, R.E. et al.
- McCready, R.G.L., see Krouse, H.R. et al.
- McDuff, R.E., see Thomson, R.E. et al.
- McKean, J., see Monaghan, M.C. et al.
- McMillan, P.F., see Pawley, A.R. et al.
- McMurtry, G., see Cheminée, J.-L. et al.
- McMurtry, G.M., see Kim, K.H. and McMurtry, G.M.
- McSween, H.Y., see Harvey, R.P. and McSween, H.Y.
- Mello, G.A., see Schneider, D.A. et al.
- Mendelsohn, M.J., see Boyd, S.R. et al.
- Mertz, D.F., Devey, C.W., Todt, W., Stoffers, P. and Hofmann, A.W., Sr-Nd-Pb isotope evidence against plume-asthenosphere mixing north of Iceland 107: 243
- Middleton, R., see Fink, D. et al.
- Milledge, H.J., see Boyd, S.R. et al.
- Milledge, H.J., see Boyd, S.R. et al.
- Mitouard, P., Laj, C., Mourier, T. and Kissel, C., Paleomagnetic study of an arcuate fold belt developed on a marginal orogen: The Cajamarca deflection, northern Peru 112: 41
- Mitsuzawa, K., see Kobayashi, K. et al.
- Monaghan, M.C., McKean, J., Dietrich, W. and Klein, J., ¹⁰Be chronometry of bedrock-to-soil conversion rates 111: 483
- Monma, H., see Kobayashi, K. et al.
- Monod, O., see Lapierre, H. et al.
- Montgomery, H., Pessagno, E., Soegaard, K., Smith, C., Muñoz, I. and Pessagno, J., Misconceptions concerning the Cretaceous/Tertiary boundary at the Brazos River, Falls County, Texas 109: 347
- Moore, G., see Taira, A. et al.
- Moore, G.F., see MacKay, M.E. et al.
- Moore, J.C., see MacKay, M.E. et al.
- Moore, W.S., see O'Neill, D.J. et al.
- Moore, W.S. and Dymond, J., Fluxes of ²²⁶Ra and barium in the Pacific Ocean: The importance of boundary processes
- Moran, A.E., Sisson, V.B. and Leeman, W.P., Boron depletion during progressive metamorphism: Implications for subduction processes 107: 55
- Moran, K., see Taira, A. et al.
- Morden, S.J. and Collinson, D.W., The implications of the magnetism of ordinary chondrite meteorites 109: 431
- Morgan, J.P., see Cordery, M.J. and Morgan, J.P.
- Morgan, J.W., Walker, R.J. and Grossman, J.N., Rhenium-osmium isotope systematics in meteorites I: Magmatic iron meteorite groups IIAB and IIIAB 109: 185
111: 493
- Mourier, T., see Mitouard, P. et al.
- Mrini, Z., see Gasquet, D. et al.
- Mueller, P.A., see Müller, D.W. and Mueller, P.A.
- Mularia, F., see Marzocchi, W. et al. 108: 191
111: 383

- Müller, D.W. and Mueller, P.A., Origin and age of the Mediterranean Messinian evaporites: implications from Sr isotopes 107: 1
- Muñoz, I., see Montgomery, H. et al. 109: 593
- Murata, F., see Otofuji, Y. et al. 107: 369
- Murayama, M., see Kobayashi, K. et al. 109: 347
- Murrell, M.T., see Goldstein, S.J. et al. 107: 25
- Murrell, M.T., see Goldstein, S.J. et al. 109: 255
- Naka, J., see Kobayashi, K. et al. 109: 347
- Nakanishi, M., see Kobayashi, K. et al. 109: 347
- Natland, J.H., see Farley, K.A. et al. 111: 183
- Nesbitt, H.W., see MacRae, N.D. et al. 109: 585
- Nojiri, Y., see Igarashi, G. et al. 108: 11
- Notsu, K., see Sano, Y. et al. 107: 95
- Nyquist, L.E., see Shih, C.-Y. et al. 108: 203
- O'Neill, D.J., Todd, J.F. and Moore, W.S., ^{226}Ra in the Black Sea and Sea of Marmara 110: 7
- O'Nions, R.K., see Burton, K.W. and O'Nions, R.K. 107: 649
- Oeschger, H., see Chengde, S. et al. 109: 169
- Officer, C.B., see Lyons, J.B. and Officer, C.B. 109: 205
- Ogawa, Y., see Chamot-Rooke, N. et al. 109: 319
- Ogawa, Y., see Kobayashi, K. et al. 109: 347
- Ogawa, Y., see Sakai, H. et al. 109: 391
- Ogg, J.G. and Steiner, M.B., Early Triassic magnetic polarity time scale—integration of magnetostratigraphy, ammonite zonation and sequence stratigraphy from stratotype sections (Canadian Arctic Archipelago) 107: 69
- Okada, M., see Kobayashi, K. et al. 109: 347
- Okano, J., see Uyeda, C. et al. 107: 138
- Olafsson, G., see Taira, A. et al. 109: 431
- Olóriz, F., Rodríguez-Tovar, F.J., Chica-Olmo, M. and Pardo, E., The marl-limestone rhythmites from the Lower Kimmeridgian (Platynota Zone) of the central Prebetic and their relationship with variations in orbital parameters 111: 407
- Olson, P., see Larson, R.L. and Olson, P. 107: 437
- Opdyke, N.D., see Huang, K. and Opdyke, N.D. 112: 29
- Opdyke, N.D., see Huang, K. et al. 111: 1
- Ortiz, L.E., see Lapierre, H. et al. 108: 61
- Oshida, A., see Kobayashi, K. et al. 109: 347
- Osler, J.C. and Louden, K.E., Crustal structure of an extinct rift axis in the Labrador Sea: preliminary results from a seismic refraction survey 108: 243
- Otofuji, Y., Kadoi, J., Funahara, S., Murata, F. and Zheng, X., Paleomagnetic study of the Eocene Quxu pluton of the Gangdese Belt: Crustal deformation along the Indus-Zangbo suture zone in southern Tibet 107: 369
- Otsuka, K., see Kobayashi, K. et al. 109: 347
- Owens, W., see Taira, A. et al. 109: 431
- Ozima, M., see Igarashi, G. et al. 108: 11
- Palmer, M.R., Controls over the chloride concentration of submarine hydrothermal vent fluids: evidence from Sr/Ca and $^{87}\text{Sr}/^{86}\text{Sr}$ ratios 109: 37
- Papageorgiou, S., see Stiros, S.C. et al. 108: 109
- Pardo, E., see Olóriz, F. et al. 111: 407
- Parsons, B., see Goodwillie, A.M. and Parsons, B. 111: 123
- Parsons, I., see Burgess, R. et al. 109: 147
- Paruolo, P., see Marzocchi, W. et al. 111: 383
- Paul, M., see Herut, B. et al. 109: 179
- Pawley, A.R., Holloway, J.R. and McMillan, P.F., The effect of oxygen fugacity on the solubility of carbon-oxygen fluids in basaltic melt 110: 213
- Pegram, W.J. and Allègre, C.-J., Osmium isotopic compositions from oceanic basalts 111: 59
- Peng, X., see Huang, K. et al. 111: 1
- Pernicka, E., see Eisenhauer, A. et al. 109: 25
- Pessagno, E., see Montgomery, H. et al. 109: 593
- Pessagno, J., see Montgomery, H. et al. 109: 593
- Petit, J.-R., see Grousset, F.E. et al. 111: 175
- Phillips, R.J., see Smrekar, S.E. and Phillips, R.J. 107: 582

- Pickering, K., see Taira, A. et al. 109: 431
 Pilling, C.T., see Boyd, S.R. et al. 108: 139
 Pilling, C.T., see Boyd, S.R. et al. 109: 633
 Pineau, F., see Javoy, M. and Pineau, F. 107: 598
 Piper, J.D.A., The quasi-rigid premise in Precambrian tectonics 107: 559
 Pirazzoli, P.A., see Stiros, S.C. et al. 108: 109
 Platzman, E. and Lowrie, W., Paleomagnetic evidence for rotation of the Iberian Peninsula and the external Betic Cordillera, Southern Spain 108: 45
 Potts, R., see Tauxe, L. et al. 109: 561
 Puchelt, H., see Lonsdale, P. et al. 109: 73
 Puchelt, H., see Lonsdale, P. et al. 110: 246
 Puteanus, D., see Cheminée, J.-L. et al. 107: 318
 Pye, K., see Grousset, F.E. et al. 111: 175
 Pyle, D.G., Christie, D.M. and Mahoney, J.J., Resolving an isotopic boundary within the Australian-Antarctic Discordance 112: 161
 Pyle, D.M., The volume and residence time of magma beneath active volcanoes determined by decay-series disequilibria methods 112: 61
 Qin, Zhenwei, Disequilibrium partial melting model and its implications for trace element fractionations during mantle melting 112: 75
 Quidelleur, X., Valet, J.-P. and Thouveny, N., Multicomponent magnetization in paleomagnetic records of reversals from continental sediments in Bolivia 111: 23
 Rainbird, R.H., see Heaman, L.M. et al. 109: 117
 Raisbeck, G.M., see Bourlès, D.L. et al. 109: 47
 Rajan, S., see Krouse, H.R. et al. 107: 90
 Ramesh, R., see Krishnaswami, S. et al. 109: 243
 Ravizza, G. and Turekian, K.K., The osmium isotopic composition of organic-rich marine sediments 110: 1
 Raynaud, D., see Martinierie, P. et al. 112: 1
 Reimold, W.U., Colliston, W.P. and Wallmach, T., Comment on "The nature, distribution and genesis of the coesite and stishovite associated with the pseudotachylite of the Vredefort Dome, South Africa" by J.E.J. Martini 112: 213
 Rejou-Michel, A., see Robert, F. et al. 108: 1
 Rengarajan, R., see Somayajulu, B.L.K. et al. 107: 197
 Revel, M., see Grousset, F.E. et al. 111: 175
 Ricard, Y., see Čadek, O. and Ricard, Y. 109: 621
 Ricchiuto, T., see Camerlenghi, A. et al. 109: 493
 Richnow, H., see Cheminée, J.-L. et al. 107: 318
 Richter, F.M., see Schrag, D.P. et al. 111: 305
 Richter, F.M., Rowley, D.B. and DePaolo, D.J., Sr isotopic evolution of seawater: the role of tectonics 109: 11
 Ringwood, A.E., Volatile and siderophile element geochemistry of the Moon: a reappraisal 111: 537
 Robert, F., Rejou-Michel, A. and Javoy, M., Oxygen isotope homogeneity of the Earth: new evidence 108: 1
 Robin, E., see Jéhanno, C. et al. 109: 229
 Robin, E., Boclet, D., Bonté, Ph., Froget, L., Jéhanno, C. and Rocchia, R., The stratigraphic distribution of Ni-rich spinels in Cretaceous-Tertiary boundary rocks at El Kef (Tunisia), Caravaca (Spain) and Hole 761C (Leg 122) 107: 715
 Robin, E., Bonté, Ph., Froget, L., Jéhanno, C. and Rocchia, R., Formation of spinels in cosmic objects during atmospheric entry: a clue to the Cretaceous-Tertiary boundary event 108: 181
 Rocchia, R., see Jéhanno, C. et al. 109: 229
 Rocchia, R., see Robin, E. et al. 108: 181
 Rocchia, R., see Robin, E. et al. 107: 715
 Rodríguez-Tovar, F.J., see Olóriz, F. et al. 111: 407
 Rona, P.A. and Trivett, D.A., Discrete and diffuse heat transfer at ASHES vent field, Axial Volcano, Juan de Fuca Ridge 109: 57
 Rowley, D.B., see Richter, F.M. et al. 109: 11
 Sakai, H., see Gamo, T. et al. 107: 328
 Sakai, H., see Gamo, T. et al. 109: 383
 Sakai, H., see Igarashi, G. et al. 108: 11
 Sakai, H., see Lallemand, S.E. et al. 109: 333
 Sakai, H., Gamo, T., Ogawa, Y. and Boulegue, J., Stable isotopic ratios and origins of the carbonates associated with cold seepage at the eastern Nankai Trough 109: 391

- Sandiford, M., Martin, N., Zhou, S. and Fraser, G., Mechanical consequences of granite emplacement during high-*T*, low-*P* metamorphism and the origin of "anticlockwise" *PT* paths 107: 164
- Sano, Y., Notsu, K., Igarashi, J. and Wakita, H., Secular variations in helium isotope ratios in an active volcano: Eruption and plug hypothesis 107: 95
109: 243
- Sarin, M.M., see Krishnaswami, S. et al.
- Schiano, P., Clocchiatti, R. and Joron, J.L., Melt and fluid inclusions in basalts and xenoliths from Tahaa Island, Society Archipelago: evidence for a metasomatized upper mantle 111: 69
110: 133
- Schilling, J.-G., see Graham, D.W. et al.
- Schneider, D.A., see Glass, B.P. et al.
- Schneider, D.A., Kent, D.V. and Mello, G.A., A detailed chronology of the Australasian impact event, the Brunhes-Matuyama geomagnetic polarity reversal, and global climate change 107: 182
111: 395
- Schrag, D.P., DePaolo, D.J. and Richter, F.M., Oxygen isotope exchange in a two-layer model of oceanic crust 111: 305
- Schultheiss, P., see Chamot-Rooke, N. et al.
- Schultheiss, P., see Henry, P. et al.
- Seal, M., see Boyd, S.R. et al.
- Seal, M.J., see Boyd, S.R. et al.
- Sedwick, P., see Cheminée, J.-L. et al.
- Segawa, J., see Chamot-Rooke, N. et al.
- Segawa, J. and Toh, H., Detecting fluid circulation by electric field variations at the Nanlai Trough 109: 319
- Sempéré, J.-C., High-magnetization zones near spreading center discontinuities 107: 389
- Sharma, K.K., see Krishnaswami, S. et al.
- Sharp, Z.D., Giletti, B.J. and Yoder, Jr., H.S., Oxygen diffusion rates in quartz exchanged with CO₂ 107: 339
- Sheppard, D.S., see Le Cloarec, M.F. et al.
- Sherrell, R.M. and Boyle, E.A., The trace metal composition of suspended particles in the oceanic water column near Bermuda 108: 19
111: 155
- Shibuya, H., Cassidy, J., Smith, I.E.M. and Itaya, T., A geomagnetic excursion in the Brunhes epoch recorded in New Zealand basalts 111: 41
- Shih, C.-Y., Nyquist, L.E., Bansal, B.M. and Wiesmann, H., Rb-Sr and Sm-Nd chronology of an Apollo 17 KREEP basalt 108: 203
- Shima, N., see Kobayashi, K. et al.
- Shimizu, H., see Amakawa, H. et al.
- Shitashima, K., see Gamo, T. et al.
- Shitashima, K., see Gamo, T. et al.
- Sibuet, M., see Chamot-Rooke, N. et al.
- Sibuet, M., see Henry, P. et al.
- Sibuet, M., see Lallemand, S.E. et al.
- Siena, F., see Taira, A. et al.
- Sigmarsdóttir, O., Condomines, M. and Fourcade, S., Mantle and crustal contribution in the genesis of recent basalts from off-rift zones in Iceland: Constraints from Th, Sr and O isotopes 110: 149
- Sigurdsson, H., D'Hondt, S. and Carey, S., The impact of the Cretaceous/Tertiary bolide on evaporite terrane and generation of major sulfuric acid aerosol 109: 543
- Simon, S.B. and Grossman, L., Low-temperature exsolution in refractory siderophile element-rich opaque assemblages from the Leoville carbonaceous chondrite 110: 67
111: 331
- Sisson, V.B., see Moran, A.E. et al.
- Smith, C., see Montgomery, H. et al.
- Smith, G.R., see Koch, P.L. et al.
- Smith, I.E.M., see Shibuya, H. et al.
- Smith, P.E., Farquhar, R.M. and Hancock, R.G., Direct radiometric age determination of carbonate diagenesis using U-Pb in secondary calcite (erratum) 108: 277
109: 593
110: 41
- Smrekar, S.E. and Phillips, R.J., Venusian highlands: geoid to topography ratios and their implications 107: 434
- Sobel, H., see Ajie, H.O. et al.
- Soegaard, K., see Montgomery, H. et al.
- Soh, W., see Kobayashi, K. et al.
- Somayajulu, B.L.K., Rengarajan, R., Lal, D. and Craig, H., GEOSECS Pacific and Indian Ocean ³²Si profiles 107: 197
- Sonder, L.J. and Chamberlain, C.P., Tectonic controls of metamorphic field gradients 111: 517
- Songshan, W., see Turner, G. and Songshan, W. 110: 193
- Spiegelman, M. and Kenyon, P., The requirements for chemical disequilibrium during magma migration 109: 611
- Spohn, T., see Hört, M. and Spohn, T. 107: 463

- Starinsky, A., see Herut, B. et al. 109: 179
- Staudigel, H. and King, S.D., Ultrafast subduction: the key to slab recycling efficiency and mantle differentiation? 109: 517
- Stearley, R.F., see Koch, P.L. et al. 108: 277
- Steiner, M.B., see Ogg, J.G. and Steiner, M.B. 107: 69
- Stern, T.A., see Holt, W.E. and Stern, T.A. 107: 523
- Stiros, S.C., Arnold, M., Pirazzoli, P.A., Laborel, J., Laborel, F. and Papageorgiou, S., Historical coseismic uplift on Euboea Island, Greece 108: 109
- Stoffers, P., see Cheminée, J.-L. et al. 107: 318
- Stoffers, P., see Mertz, D.F. et al. 107: 243
- Stolper, E.M., see Zhang, Y. et al. 109: 273
- Stone, J., Hutcheon, I.D., Epstein, S. and Wasserburg, G.J., Correlated Si isotope anomalies and large ^{13}C enrichments in a family of exotic SiC grains 107: 570
- Sugiura, N. and Hashizume, K., Nitrogen isotope anomalies in primitive ordinary chondrites 111: 441
- Sun, S.S., see Chung, S.-L. and Sun, S.S. 109: 133
- Suter, M., see Chengde, S. et al. 109: 169
- Sweeney, R.J., Falloon, T.J., Green, D.H. and Tatsumi, Y., The mantle origins of Karoo picrites 107: 256
- Taira, A., see Lallemand, S.E. et al. 109: 333
- Taira, A., Hill, I., Firth, J., Berner, U., Brückmann, W., Byrne, T., Chabernaud, T., Fisher, A., Foucher, J.-P., Gamo, T., Gieskes, J., Hyndman, R., Karig, D., Kastner, M., Kato, Y., Lallemand, S., Lu, R., Maltman, A., Moore, G., Moran, K., Olafsson, G., Owens, W., Pickering, K., Siena, F., Taylor, E., Underwood, M., Wilkinson, C., Yamano, M. and Zhang, J., Sediment deformation and hydrogeology of the Nankai Trough accretionary prism: Synthesis of shipboard results of ODP Leg 131 109: 431
- Takeuchi, A., see Chamot-Rooke, N. et al. 109: 319
- Takeuchi, A., see Kobayashi, K. et al. 109: 347
- Talbot, M.R. and Johannessen, T., A high resolution palaeoclimatic record for the last 27,500 years in tropical West Africa from the carbon and nitrogen isotopic composition of lacustrine organic matter 110: 23
- Tanoue, E., Vertical distribution of dissolved organic carbon in the North Pacific as determined by the high-temperature Tapponnier, P., see Arnaud, N.O. et al. 111: 201
- Tarits, P., see Chamot-Rooke, N. et al. 111: 351
- Tarits, P., see Henry, P. et al. 109: 319
- Tatsumi, Y., see Sweeney, R.J. et al. 109: 355
- Tauxe, L., see Glass, B.P. et al. 107: 256
- Tauxe, L., Deino, A.D., Behrensmeyer, A.K. and Potts, R., Pinning down the Brunhes/Matuyama and upper Jaramillo boundaries: a reconciliation of orbital and isotopic time scales 107: 182
- Taylor, E., see Taira, A. et al. 109: 561
- Thompson, G., see Chan, L.H. et al. 109: 431
- Thompson, G., see Graham, D.W. et al. 108: 151
- Thomson, R.E., Delaney, J.R., McDuff, R.E., Janecky, D.R. and McClain, J.S., Physical characteristics of the Endeavour Ridge hydrothermal plume during July 1988 110: 133
- Thouveny, N., see Quidelleur, X. et al. 111: 141
- Todd, J.F., see O'Neill, D.J. et al. 111: 23
- Todt, W., see Mertz, D.F. et al. 110: 7
- Toh, H., see Segawa, J. and Toh, H. 107: 243
- Tokuyama, H., see Chamot-Rooke, N. et al. 109: 469
- Torné, M., Banda, E., García-Dueñas, V. and Balanyá, J.C., Mantle-lithosphere bodies in the Alboran crustal domain (Ronda peridotites, Betic-Rif orogenic belt) 109: 319
- Traxel, K., see Jessberger, E.K. et al. 110: 163
- Trivedi, J.R., see Krishnaswami, S. et al. 112: 91
- Trivett, D.A., see Rona, P.A. and Trivett, D.A. 109: 243
- Trønnes, R.D., Canil, D. and Wei, K., Element partitioning between silicate minerals and coexisting melts at pressures of 1–27 GPa, and implications for mantle evolution 109: 57
- Tsuchiyama, A., see Uyeda, C. et al. 111: 241
- Tungsheng, L., see Chengde, S. et al. 107: 138
- Turekian, K.K., see Ravizza, G. and Turekian, K.K. 109: 169
- Turner, G., see Kelley, S.P. and Turner, G. 110: 1
- Turner, G. and Songshan, W., Excess argon, crustal fluids and apparent isochrons from crushing K-feldspar 107: 634
- Turpin, L., see Jéhanno, C. et al. 110: 193
- Tuttas, D., see Wendt, I. et al. 109: 229
-
-

Underwood, M., see Taira, A. et al.	109: 431
Uyeda, C., Tsuchiyama, A. and Okano, J., Magnesium isotope fractionation of silicates produced in condensation experiments	107: 138
Valet, J.-P., see Quidelleur, X. et al.	111: 23
Valley, J.W., see Cartwright, I. and Valley, J.W.	107: 148
van den Berg, A., see van Keken, P. et al.	112: 179
van Keken, P., Yuen, D.A. and van den Berg, A., Pulsating diapiric flows: Consequences of vertical variations in mantle creep laws	112: 179
Veeh, H.H., see Ayliffe, L.K. et al.	108: 119
Vénec-Peyré, M.-T., Boulègue, J. and Lallemand, S.E., Vent activity in a subduction area (Nankai wedge): The foraminiferal record	109: 405
Vera, E.E., see Lorenzo, J.M. and Vera, E.E.	108: 79
Verhallen, P.J.J.M., see Zijderveld, J.D.A. et al.	107: 697
Vidal, P., see Chauvel, C. et al.	110: 99
Vidal, P., see Gasquet, D. et al.	108: 29
Vidal, Ph., see Arnaud, N.O. et al.	111: 351
Vilotte, J.P., see Chéry, J. et al.	112: 195
Vogt, S., see Fink, D. et al.	107: 115
Vollmer, R., On the origin of the Italian potassic magmas: a one-dimensional diffusion-controlled model of source metasomatism	107: 487
Volpe, A.M. and Hammond, P.E., ^{238}U - ^{230}Th - ^{226}Ra disequilibrium in young Mount St. Helens rocks: time constraint for magma formation and crystallization	107: 475
Wakita, H., see Sano, Y. et al.	107: 95
Walker, F.D.L., see Burgess, R. et al.	109: 147
Walker, R.J., see Morgan, J.W. et al.	108: 191
Wallmach, T., see Reimold, W.U. et al.	112: 213
Walter, L.M., see Koch, P.L. et al.	108: 277
Warren, P.H., Inheritance of silicate differentiation during lunar origin by giant impact	112: 101
Wasilewski, P.J., see Mayhew, M.A. et al.	107: 515
Wasserburg, G.J., see Banner, J.L. et al.	107: 129
Wasserburg, G.J., see Banner, J.L. et al.	108: 307
Wasserburg, G.J., see Stone, J. et al.	107: 570
Wasserburg, G.J., see Zhang, Y. et al.	109: 273
Watanabe, M., see Kobayashi, K. et al.	109: 347
Watson, E.B., see Brenan, J.M. and Watson, E.B.	107: 672
Wedepohl, K.H., see Ionov, D.A. et al.	111: 269
Wei, K., see Trønnes, R.D. et al.	111: 241
Weinberg, R.F., Internal circulation in a buoyant two-fluid Newtonian sphere: implications for composed magmatic diapirs	110: 77
Wendt, I., Carl, C., Habfast, K., Tuttas, D. and Wendt, J.I., Complete Pb/U analysis of unspiked samples by measuring Pb isotopes only	107: 618
Wendt, J.I., see Wendt, I. et al.	107: 618
White, W.M., see Keller, R.A. et al.	111: 287
Wickham, S.M., see Grunder, A.L. and Wickham, S.M.	107: 416
Wiechert, U., see Ionov, D.A. et al.	111: 269
Wiesmann, H., see Shih, C.-Y. et al.	108: 203
Wijbrans, J.R., see De Jong, K. et al.	110: 173
Wilkinson, C., see Taira, A. et al.	109: 431
Williams, R.W., Collerson, K.D., Gill, J.B. and Deniel, C., High Th/U ratios in subcontinental lithospheric mantle: mass spectrometric measurement of Th isotopes in Gaussberg lamproites	111: 257
Wilson, L. and Keil, K., Consequences of explosive eruptions on small Solar System bodies: the case of the missing basalts on the aubrite parent body (erratum)	107: 432
Wlotzka, F., see Ireland, T.R. and Wlotzka, F.	109: 1
Wölfli, W., see Chengde, S. et al.	109: 169
Woods, A.W. and Delaney, J.R., The heat and fluid transfer associated with the flanges on hydrothermal venting structures	112: 117
Worden, R.H., see Burgess, R. et al.	109: 147

- Yamagata, T., see Kobayashi, K. et al. 109: 347
Yamaji, A., Periodic hotspot distribution and small-scale convection in the upper mantle 109: 107
Yamano, M., see Hyndman, R.D. et al. 109: 289
Yamano, M., see Taira, A. et al. 109: 431
Yamano, M., Foucher, J.-P., Kinoshita, M., Fisher, A. and Hyndman, R.D., Heat flow and fluid flow regime in the western Nankai accretionary prism 109: 451
Yaxley, G.M., Crawford, A.J. and Green, D.H., Evidence for carbonatite metasomatism in spinel peridotite xenoliths from western Victoria, Australia arc and basin magmas of the Philippine tectonic plate 107: 305
Yiou, F., see Bourlès, D.L. et al. 109: 47
Yoder, Jr., H.S., see Sharp, Z.D. et al. 107: 339
Yuen, D.A., see van Keken, P. et al. 112: 179
- Zachariasse, W.J., see Zijderveld, J.D.A. et al. 107: 697
Zhang, J., see Taira, A. et al. 109: 431
Zhang, Y., Stolper, E.M. and Wasserburg, G.J., Diffusion of a multi-species component and its role in oxygen and water transport in silicates (erratum) 109: 273
Zheng, X., see Otofuji, Y. et al. 107: 369
Zhou, S., see Sandiford, M. et al. 107: 164
Zijderveld, J.D.A., Hilgen, F.J., Langereis, C.G., Verhallen, P.J.J.M. and Zachariasse, W.J., Integrated magnetostratigraphy and biostratigraphy of the upper Pliocene-lower Pleistocene from the Monte Singa and Crotone areas in Calabria, Italy 107: 697
Zimmermann, J.-L., see Lapierre, H. et al. 108: 61

